ALS®
Advantage Lighting Solutions

FD SERIES FLOOD LIGHT

CONSTRUCTION

Rugged die-cast aluminum one-piece housing with corrosion resistant powder coat paint finish.

Internal venting fins create optimal heat dissipation and allow all water to drain from the face of the luminaire.

Front accessible maintenance access to electrical components with removal of three screws from front of fixture housing.

OPTICS

High impact UV stabilized acrylic outer lens protects LEDs and allows for cleaning and debris removal.

Lens hardware is internal to the fixture allowing for uniform pressure on the gasket for an optimal water tight seal.

Available NEMA distributions: Type III, Wide (7x7).

Stock Version: 5000K Wide (7x7).

ELECTRICAL

70+ CRI Lumileds LED.

-40°C up to 45°C (-40°F up to 113°F) maximum operating temperature.

Long-life 100,000hr LED at L70.

Driver operates at 120-277V input, 50/60Hz.

1–10V dimming driver standard, option to have leads pulled out for easy connection.

<20% THD, 0.9 power factor.

4kV surge protection, 10kV surge protector optional.

Optional 347V / 480V Driver.

CONTROL (OPTIONAL)

CONTROL-XFAC AVI-ON Bluetooth Zone Controller Adapter

SENSOR-PH-PT-U/UD/HD Twist lock dimming/non-dimming photocontrol.

MOUNTING

Standard adjustable yoke mount (YM) bracket.

Optional adjustable slipfitter (SF) for 2-3/8" tenon.

Optional adjustable wall mount (WM) bracket.

STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

CUSTOM FINISH

Corrosion resistant Black, Graphite Metallic, Gray, Silver, White, Custom RAL.

CERTIFICATION

Meets Buy America Act requirements.

IP66 Wet location label standard.

Meets Buy America Act requirements.

All luminaires are built to UL1598 standards and bear appropriate cULus labels.

DLC® Premium (DesignLights Consortium Qualified)

WARRANTY

5 year warranty, see Limited Warranty for additional information.

Yoke Mount

Wall Mount   Slipfitter

SHIPPING DATA

Product	Measurement	Weight
FD-300	32"L x 16"W x 5"H	29 lb
FD-350	32"L x 16"W x 5"H	29 lb

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FD SERIES FLOOD LIGHT

ORDER INFORMATION						EXAMPLE : FD 300 40 77 YM DB UD	
Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input
	FD						
Accessories Options							

A SERIES

FD	Flood Light

B POWER & LM

Code	Power	LM
300	300W	43700lm
350	350W	51100lm

C CCT

40	4000K
50	5000K

D DISTRIBUTION

77	7H x 7V		3M	Type III

E MOUNTING

YM	Yoke Mount (Standard)

F FINISH

Standard						
DB	Dark Bronze					
Custom Color						
CC	**BK**	Black	**GM**	Graphite Metallic	**GR**	Gray
	SV	Silver	**WH**	White	**RAL#**	

G INPUT

UD	120-277V, 1-10V Dimmable		HD	347-480V, 1-10V Dimmable

H ACCESSORIES/OPTIONS

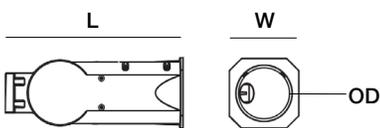| BAA	Assembled in America, compliant with BAA (COTS)
SENSOR-PH-PT-U / UD / HD*	Twist Lock Photocell / **U:** 120-277V, **UD:** 120-277V, **HD:** 480V input
SURGE-LSP4-U / H	10kV inline Surge Protection for Universal input / **U:** 120-277V, **H:** 480V input
SF	Optional Slipfitter
WM	Wall Mount
CONTROL-XFAC*	AVI-ON Bluetooth Zone Controller Adapter

*see page 5 for sensor spec

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Specifications are subject to change without notice

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DIMENSIONS

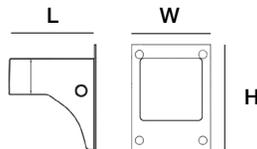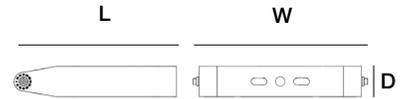| Power	L	W	H
300W/350W	25.04" (636mm)	13.39" (340mm)	3.15" (80mm)

L

W

H
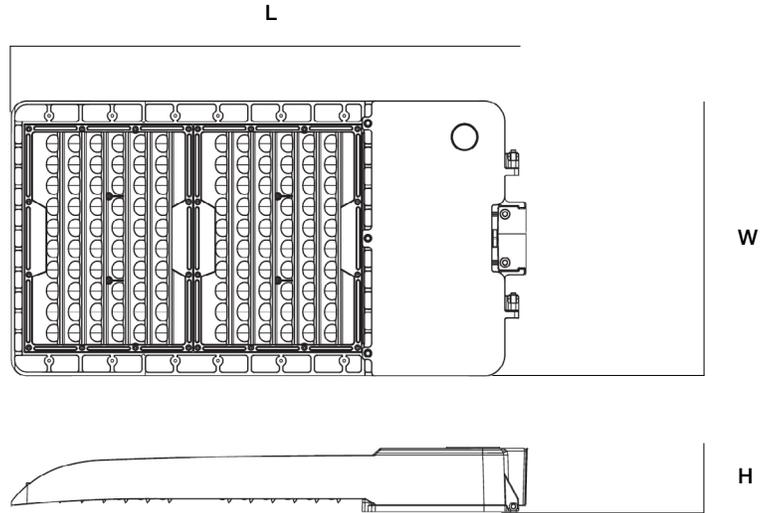
MOUNTING OPTIONS

SF (Slipfitter)

L 8.46" (215mm)
W 3.15" (80mm)
OD Ø2.40" (61mm)

WM (Wall Mount)

L 3.55" (90mm)
W 5.98" (152mm)
H 7.99" (203mm)

YM (Yoke Mount)

L 14.29" (363mm)
W 14.29" (363mm)
D 2.67" (68mm)

EPA (ft²)

Mounting Option	Single	2 @ 90°	2 @ 120°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
300W/350W	0.5614	0.8471	1.105	1.1228	1.2940	1.2503	1.2940

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PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST.TYPE	4000K (70CRI)		5000K (70CRI)	
			LUMENS	LPW	LUMENS	LPW
300W	120-277V	III	42600	142	42600	142
	120-277V	77	43800	146	43800	146
350W	120-277V	III	50050	143	50050	143
	120-277V	77	51100	146	51100	146

DLC CODE

Part Number	DLC Part Nnumber	DLC Class
FD - 300 50 77 - XX DB UD	MAL02300W27V50K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]	Premium
FD - 300 40 77 - XX DB UD	MAL02300W27V40K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]	Premium
FD - 300 50 77 - XX DB HD	MAL02300W48V50K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]	Premium
FD - 300 40 77 - XX DB HD	MAL02300W48V40K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]	Premium
FD - 350 50 77 - XX DB UD	MAL06350W27V50K[D,B,W,SG][Blank,P0,P3,P4][Blank,M][SQ,SP,WM]	Premium
FD - 350 40 77 - XX DB UD	MAL06350W27V40K[D,B,W,SG][Blank,P0,P3,P4][Blank,M][SQ,SP,WM]	Premium
FD - 350 50 77 - XX DB HD	MAL06350W48V50K[D,B,W,SG][Blank,P0,P3,P4][Blank,M][SQ,SP,WM]	Premium
FD - 350 40 77 - XX DB HD	MAL06350W48V40K[D,B,W,SG][Blank,P0,P3,P4][Blank,M][SQ,SP,WM]	Premium

SENSOR SPEC

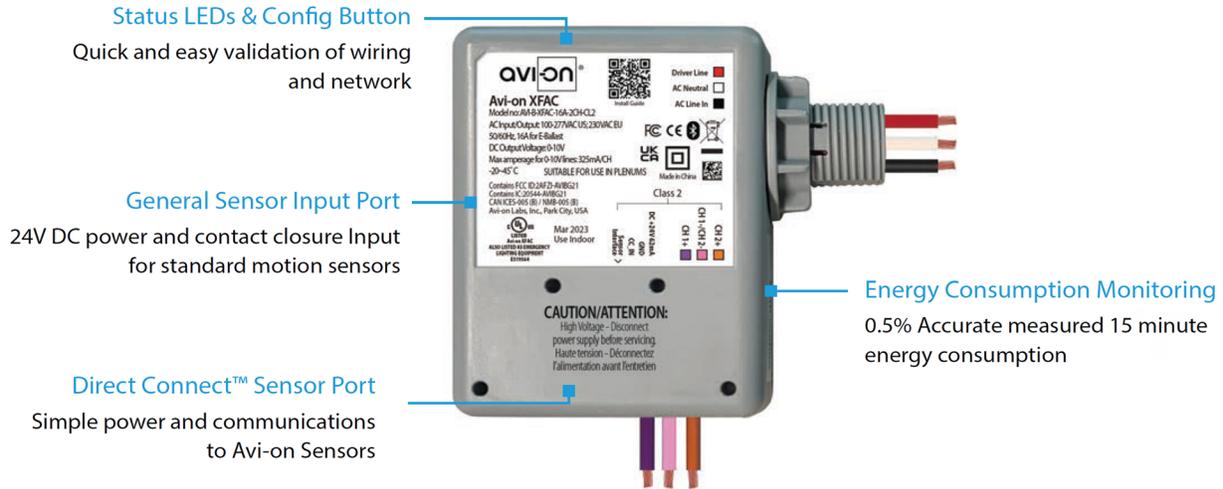| Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-PH-PT-U SENSOR-PH-PT-UD SENSOR-PH-PT-HD	-	-	-	Universal 277 ~ 480V	Dusk-to-Dawn Control	-
CONTROL-XFAC (see page 6 for detail)	Fixture Controller	-	-	100-277VAC	Bluetooth On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App

SENSOR-PH-PT-U/UD   SENSOR-PH-PT-HD   CONTROL-XFAC

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CONTROL-XFAC SPEC

Status LEDs & Config Button
Quick and easy validation of wiring and network

General Sensor Input Port
24V DC power and contact closure Input for standard motion sensors

Direct Connect™ Sensor Port
Simple power and communications to Avi-on Sensors

Energy Consumption Monitoring
0.5% Accurate measured 15 minute energy consumption

SPECIFICATIONS

INPUT VOLTAGE:	100-277VAC
CURRENT:	
	MIN: 20 / 14mA
	MAX: 81 / 46mA
0-10V DIMMING:	100-277VAC
SIZE:	3.58" x 3.58" x 1.57"
	(91mm x 91mm x 40mm)
STORAGE TEMP:	-40°F to + 185°F (-40°C to + 85°C)
OPERATING TEMP:	-4°F to + 113°F (-20°C to + 45°C)

RADIO FREQUENCY:	50/60Hz
RELAY CURRENT:	16A
PROTECTION/IMMUNITY:	LEVEL 4
	Contact Discharge: ± 8kV
	Air Discharge: ±12kV
AMPERAGE FOR 0-10V LINES:	325mA / CH
WARRANTY:	5 years
REGULATORY:	FCC: 2AFZI-AVBG21
	IC: 20544-AVBG21
	BQB: D059595, DID: 185220
	UL 924, 2043

WIRING DIAGRAM